**Metric Area Conversions (2-Dimensional Conversions)**

Name: _____

1.      Convert each of the following:


a)      $5 \text{ cm}^2 = $ _____ $\text{mm}^2$

b)      $0.2 \text{ cm}^2 = $ _____ $\text{mm}^2$

c)      $1.4 \text{ cm}^2 = $ _____ $\text{mm}^2$

d)      $6000 \text{ mm}^2 = $ _____ $\text{cm}^2$

e)      $2.3 \text{ m}^2 = $ _____ $\text{cm}^2$

f)      $0.007 \text{ m}^2 = $ _____ $\text{cm}^2$

g)      $3 \text{ km}^2 = $ _____ $\text{m}^2$

h)      $450\,000 \text{ m}^2 = $ _____ $\text{km}^2$


i)      $4\,500\,000 \text{ m}^2 = $ _____ $\text{km}^2$

j)      $4 \text{ m}^2 = $ _____ $\text{cm}^2$

k)      $8 \text{ m}^2 = $ _____ $\text{mm}^2$

l)      $700 \text{ mm}^2 = $ _____ $\text{cm}^2$

m)      $2 \text{ m}^2 = $ _____ $\text{mm}^2$

n)      $60\,000 \text{ cm}^2 = $ _____ $\text{m}^2$

2. Describe what you would multiply or divide by to convert each of the following units of area.

a) square centimetres to square millimetres

b) square kilometres to square metres

c) square metres to square millimetres

d) square millimetres to square centimetres

e) square centimetres to square kilometres

f) square millimetres to square metres